65P

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115



DEC 2 1992

MEMORANDUM

SUBJECT: Transmittal of Analytical Data for Big Woods Auto Cedar Falls, Iowa (ADF16)

FROM: Robert B. Dona RB Dona
Environmental Engineer, QADE/EDSB/ENSV

TO: Patricia A. Frey
IOWA/RCRA/WSTM

THRU: Jeffrey A. Wandtke
Regional QA Officer, QADE/EDSB/ENSV

I have attached a copy of our Analysis Request Report for the RCRA closure oversight sampling performed by Metcalf and Eddy on November 4, 1992, at the Big Woods Auto facility in Cedar Falls, Iowa. The data qualifier code "K" indicates that the RECAP contract laboratory did not detect the compound at the concentration shown. The data from analysis of the laboratory quality control samples have not been included but are available at your request.

I am also including copies of the original field sheets and chain-of-custody record. If you have any questions, please call me at 551-5182.

Attachments

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL SERVICES DIVISION
REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: NOV 25 1992

MEMORANDUM

SUBJECT: Data Transmittal for Activity #: ADF16
Site Description: Big Woods Auto

FROM: Andrea Jirka
Chief, Laboratory Branch, ENSV

TO: John Helvig
Chief, EMCM-ENSV

ATTN: Bob Dona

11-27-92 RBDona

Attached is the data transmittal for the above referenced site. The data contained in this transmittal have been approved by the Laboratory Branch. This should be considered a ____ Partial or X Complete data transmittal (completes transmittal of _____). The Project Leader should notify the Laboratory Branch within 14 days of any changes in the LAST analytical database. If you have any questions, comments, or data changes, please contact Dee Simmons at 551-5129.

Attachment

cc: Analytical Data File

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 001 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: ___ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:15 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:20 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Collected from 0-6 inch depth location 1

Black soil

SAMPLE COLLECTED BY : Jon Ryot

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 002 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/01/92 15:15 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/01/92 15:20 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 6-12 inch depth location 1
Black soil

SAMPLE COLLECTED BY : Jim Osborn

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 003 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:15 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:20 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 12-18 inch depth Location 1
dark brown soil

SAMPLE COLLECTED BY : Jason Ayers

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 004 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:~~15~~30 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:~~17~~35 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 0-6 inch depth location 3
Block soil

SAMPLE COLLECTED BY : Jon Appel

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 005 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:~~45~~ 30 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:~~53~~ 55 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 6-12 inch depth Location 3

Black soil

SAMPLE COLLECTED BY : Jason Lynch

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 006 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: ___ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:~~30~~ 35 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:~~55~~ 35 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 12-18 inch depth Location 3
Black soil

SAMPLE COLLECTED BY : Jim Asok

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 007 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:45 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:53 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 0-6 inch depth location 2

Black soil

SAMPLE COLLECTED BY : Lynn Ayers

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 008 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 15:45 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 15:52 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 6-12 inch depth location 2 Black soil

SAMPLE COLLECTED BY : Jon Ayers

DRAFT

# FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 009 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 16:00 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/04/92 16:09 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 6-12 inch depth Location 4

Black soil

SAMPLE COLLECTED BY : Jim Asbach

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

FY: 93 ACTNO: ADF16 SAMNO: 010 QCC: _ MEDIA: SOIL PL: DONA, B.

---

ACTIVITY DES: BIG WOODS AUTO REF LATITUDE: __ __ __
LOCATION: CEDAR FALLS IA PROJECT NUM: A60 PT: LONGITUDE: __ __ __

---

SAMPLE DES: BIG WOODS AUTO DATE TIME FROM REF PT
LOCATION: CEDAR FALLS IA BEG: 11/04/92 16:15 EAST: ____
CASE/BATCH/SMO: _____/_/_____ LAB: ___ END: 11/01/92 16:20 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

| CONTAINER | PRESERVATIVE | MGP | NAME |
|---|---|---|---|
| 2-40 ML VIALS | COOL (4 C) | SV26 | TOLUENE, BY GC/MS |
| 2-40 ML VIALS | COOL (4 C) | SV37 | XYLENES, TOTAL, BY GC/MS |

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Collected from 6-12 inch depth Location S

Black soil

SAMPLE COLLECTED BY : _____

# CHAIN OF CUSTODY RECORD
## ENVIRONMENTAL PROTECTION AGENCY REGION VII

11/9/

| ACTIVITY LEADER(Print) | NAME OF SURVEY OR ACTIVITY | DATE OF COLLECTION (DAY / MONTH / YEAR) |
|---|---|---|
| PAT FRY | BIG WOOD AUTO | 04 / 11 / 92 |

CONTENTS OF SHIPMENT

| SAMPLE NUMBER | TYPE OF CONTAINERS: CUBITAINER | BOTTLE | BOTTLE | BOTTLE | VOA SET (2 VIALS EA) | SAMPLED MEDIA: water | soil | sediment | dust | other | RECEIVING LABORATORY REMARKS/OTHER INFORMATI (condition of samples upon rec other sample numbers, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NUMBERS OF CONTAINERS PER SAMPLE NUMBER | | | | | | | | | | |
| ADF 16 - 001 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 002 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 003 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 004 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 005 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 006 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 007 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 008 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 009 | 1 | | | | 1 | | X | | | | |
| ADF 16 - 010 | 1 | | | | 1 | | X | | | | |
| ~~ADF 16 - 011~~ | | | | | | | | | | | |

DESCRIPTION OF SHIPMENT

11 PIECE(S) CONSISTING OF _____ BOX(ES)

1 ICE CHEST(S); OTHER _____

MODE OF SHIPMENT

_____ COMMERCIAL CARRIER: _____

_____ COURIER

✓ SAMPLER CONVEYED

(SHIPPING DOCUMENT NUM

PERSONNEL CUSTODY RECORD

| RELINQUISHED BY (SAMPLER) | DATE | TIME | RECEIVED BY | REASON FOR CHANGE OF |
|---|---|---|---|---|
| [signature] SEALED ☐ UNSEALED ☑ | 11/6/92 | 1335 | [signature] SEALED ☐ UNSEALED ☐ | [signature] Analysis |
| RELINQUISHED BY SEALED ☐ UNSEALED ☐ | DATE | TIME | RECEIVED BY SEALED ☐ UNSEALED ☐ | REASON FOR CHAN |
| RELINQUISHED BY SEALED ☐ UNSEALED ☐ | DATE | TIME | RECEIVED BY SEALED ☐ UNSEALED ☐ | REASON FO |

7-EPA-9262(Revised 5/85)

ANALYSIS REQUEST REPORT

VALIDATED DATA

FOR ACTIVITY: ADF16

DONA, B.

11/30/92 11:49:21

ALL REAL SAMPLES AND FIELD Q.C.

* FINAL REPORT

FY: 93 ACTIVITY: ADF16 DESCRIPTION: BIG WOODS AUTO LOCATION: CEDAR FALLS IOWA

STATUS: ACTIVE TYPE: SAMPLING - IN HOUSE ANALYSIS PROJECT: A60

LABO DUE DATE IS 12/ 6/92. REPORT DUE DATE IS 12/25/92.

INSPECTION DATE: 11/ 4/92 ALL SAMPLES RECEIVED DATE: 11/06/92

ALL DATA APPROVED BY LABO DATE: 11/25/92 FINAL REPORT TRANSMITTED DATE: 00/00/00

EXPECTED LABO TURNAROUND TIME IS 30 DAYS EXPECTED REPORT TURNAROUND TIME IS 51 DAYS

ACTUAL LABO TURNAROUND TIME IS 19 DAYS ACTUAL REPORT TURNAROUND TIME IS 0 DAYS

SITE CODE: SITE:

| SAMP. NO. | QCC | M | DESCRIPTION | SAMPLE # STATUS | CITY | STATE | AIRS/ STORET LOC NO | SECT | LAY-ER | BEG. DATE | BEG. TIME | END. DATE | END. TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | | S | LOCATION 1, 0-6 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:15 | 11/04/92 | 15:20 |
| 002 | | S | LOCATION 1,6-12 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:15 | 11/04/92 | 15:20 |
| 003 | | S | LOCATION 1, 12-18 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:15 | 11/04/92 | 15:20 |
| 004 | | S | LOCATION 3, 0-6 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:30 | 11/04/92 | 15:35 |
| 005 | | S | LOCATION 3, 6-12 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:30 | 11/04/92 | 15:35 |
| 006 | | S | LOCATION 3, 12-18 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:30 | 11/04/92 | 15:35 |
| 007 | | S | LOCATION 2, 0-6 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:45 | 11/04/92 | 15:53 |
| 008 | | S | LOCATION 2, 6-12 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 15:45 | 11/04/92 | 15:57 |
| 009 | | S | LOCATION 4, 6-12 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 16:00 | 11/04/92 | 16:00 |
| 010 | | S | LOCATION 5, 6-12 INCH DEPTH | 1 | CEDAR FALLS | IOWA | | | | 11/04/92 | 16:15 | 11/04/92 | 16:20 |

# EXPLANATION OF CODES AND INFORMATION ON ANALYSIS REQUEST DETAIL REPORT

## SAMPLE INFORMATION:

SAMP. NO. = SAMPLE IDENTIFICATION NUMBER (A 3-DIGIT NUMBER WHICH IN COMBINATION WITH THE ACTIVITY NUMBER AND QCC, PROVIDES AN UNIQUE NUMBER FOR EACH SAMPLE FOR IDENTIFICATION PURPOSES)

QCC = QUALITY CONTROL CODE (A ONE-LETTER CODE USED TO DESIGNATE SPECIFIC QC SAMPLES. THIS FIELD WILL BE BLANK FOR ALL NON-QC OR ACTUAL SAMPLES):
- A = TRUE VALUE FOR CALIBRATION STANDARD
- B = CONCENTRATION RESULTING FROM DUPLICATE LAB SPIKE
- C = MEASURED VALUE FOR CALIBRATION STANDARD
- D = MEASURED VALUE FOR FILED DUPLICATE
- F = MEASURED VALUE FOR FIELD BLANK
- G = MEASURED VALUE FOR METHOD STANDARD
- H = TRUE VALUE FOR METHOD STANDARD
- K = CONCENTRATION RESULTING FROM DUPLICATE FIELD SPIKE
- L = MEASURED VALUE FOR LAB DUPLICATE
- M = MEASURED VALUE FOR LAB BLANK
- N = MEASURED VALUE FOR DUPLICATE FIELD SPIKE
- P = MEASURED VALUE FOR PERFORMANCE STANDARD
- R = CONCENTRATION RESULTING FROM LAB SPIKE
- S = MEASURED VALUE FOR LAB SPIKE
- T = TRUE VALUE OF PERFORMANCE STANDARD
- W = MEASURED VALUE FOR DUPLICATE LAB SPIKE
- Y = MEASURED VALUE FOR FIELD SPIKE
- Z = CONCENTRATION RESULTING FROM FIELD SPIKE

M = MEDIA CODE (A ONE-LETTER CODE DESIGNATING THE MEDIA OF THE SAMPLE):
- A = AIR
- H = OTHER (DOES NOT FIT ANY OTHER CATEGORY)
- S = SOLID (SOIL, SEDIMENT, SLUDGE)
- T = TISSUE (PLANT & ANIMAL)
- W = WATER (GROUND WATER, SURFACE WATER, WASTE WATER, DRINKING WATER)

DESCRIPTION = A SHORT DESCRIPTION OF THE LOCATION WHERE SAMPLE WAS COLLECTED

AIRS/STORET LOC. NO. = THE SPECIFIC LOCATION IDENTIFICATION NUMBER FOR EITHER OF THESE NATIONAL DATABASE SYSTEMS, AS APPROPRIATE

DATE/TIME INFORMATION = SPECIFIC INFORMATION REGARDING WHEN THE SAMPLE WAS COLLECTED
- BEG. DATE = DATE SAMPLING WAS STARTED
- BEG. TIME = TIME SAMPLING WAS STARTED
- END DATE = DATE SAMPLING WAS COMPLETED
- END TIME = TIME SAMPLING WAS COMPLETED
- NOTE: A GRAB SAMPLE WILL CONTAIN ONLY BEG. DATE/TIME
  A TIMED COMPOSITE SAMPLE WILL CONTAIN BOTH BEG AND END DATE/TIME TO DESIGNATE DURATION OF SAMPLE COLLECTION

OTHER CODES:
- V = VALIDATED

## ANALYTICAL RESULTS/MEASUREMENTS INFORMATION:

COMPOUND = MGP (MEDIA-GROUP-PARAMETER) CODE AND NAME OF THE MEASURED CONSTITUENT OR CHARACTERISTIC OF EACH SAMPLE

UNITS = SPECIFIC UNITS IN WHICH RESULTS ARE REPORTED:
- C = CENTIGRADE (CELSIUS) DEGREES
- CFS = CUBIC FEET PER SECOND
- GPM = GALLONS PER MINUTE
- IN = INCHES
- I.D. = SPECIES IDENTIFICATION
- KG = KILOGRAM
- L = LITER
- LB = POUNDS
- MG = MILLIGRAMS (1 X 10-3 GRAMS)
- MGD = MILLION GALLONS PER DAY
- MPH = MILES PER HOUR
- MV = MILLIVOLT
- M/F = MALE/FEMALE
- M2 = SQUARE METER
- M3 = CUBIC METER
- NA = NOT APPLICABLE
- NG = NANOGRAMS (1 X 10-9 GRAMS)
- NTU = NEPHELOMETRIC TURBIDITY UNITS
- PC/L = PICO (1 X 10-12) CURRIES PER LITER
- PG = PICOGRAMS (1 X 10-12 GRAMS)
- P/CM2 = PICOGRAMS PER SQUARE CENTIMETER
- SCM = STANDARD CUBIC METER (1 ATM, 25 C)
- SQ FT = SQUARE FEET
- SU = STANDARD UNITS (PH)
- UG = MICROGRAMS (1 X 10-6 GRAMS)
- UMHOS = MICROMHOS/CM (CONDUCTIVITY UNITS)
- U/CC2 = MICROGRAMS PER 100 SQUARE CENTIMETERS
- U/CM2 = MICROGRAMS PER SQUARE CENTIMETER
- 1000G = 1000 GALLONS
- +/- = POSITIVE/NEGATIVE
- # = NUMBER

DATA QUALIFIERS = SPECIFIC CODES USED IN CONJUNCTION WITH DATA VALUES TO PROVIDE ADDITIONAL INFORMATION ON THE REPORTED RESULTS, OR USED TO EXPLAIN THE ABSENCE OF A SPCIFIC VALUE:
- BLANK = IF FIELD IS BLANK, NO REMARKS OR QUALIFIERS ARE PERTINENT. FOR FINAL REPORTED DATA, THIS MEANS THAT THE VALUES HAVE BEEN REVIEWED AND FOUND TO BE ACCEPTABLE FOR USE.
- I = INVALID SAMPLE/DATA - VALUE NOT REPORTED
- J = DATA REPORTED BUT NOT VALID BY APPROVED QC PROCEDURES
- K = ACTUAL VALUE OF SAMPLE IS < VALUE REPORTED
- L = ACTUAL VALUE OF SAMPLE IS > VALUE REPORTED
- M = DETECTED BUT BELOW THE LEVEL OF REPORTED VALUE FOR ACCURATE QUANTIFICATION
- O = PARAMETER NOT ANALYZED
- U = ACTUAL VALUE OF SAMPLE IS < THE MEASUREMENT DETECTION LIMIT (REPORTED VALUE)

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 3-ADF16 VALIDATED DATA

| COMPOUND | UNITS | 001 | 002 | 003 | 004 | 005 |
|---|---|---|---|---|---|---|
| SV26 TOLUENE, BY GC/MS | UG/KG | 11 K | 10 K | 10 K | 11 K | 11 K |
| SV37 XYLENES, TOTAL, BY GC/MS | UG/KG | 11 K | 10 K | 10 K | 11 K | 11 K |
| ZZ01 SAMPLE NUMBER | NA | 001 | 002 | 003 | 004 | 005 |
| ZZ02 ACTIVITY CODE | NA | ADF16 | ADF16 | ADF16 | ADF16 | ADF16 |

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 3-ADF16 VALIDATED DATA

| COMPOUND | UNITS | 006 | 007 | 008 | 009 | 010 |
|---|---|---|---|---|---|---|
| SV26 TOLUENE, BY GC/MS | UG/KG | 10 K | 11 K | 10 K | 10 K | 11 K |
| SV37 XYLENES, TOTAL, BY GC/MS | UG/KG | 10 K | 11 K | 10 K | 10 K | 11 K |
| ZZ01 SAMPLE NUMBER | NA | 006 | 007 | 008 | 009 | 010 |
| ZZ02 ACTIVITY CODE | NA | ADF16 | ADF16 | ADF16 | ADF16 | ADF16 |

VALIDATED DATA

ACTIVITY ADF16 BIG WOODS AUTO

THE PROJECT LEADER SHOULD CIRCLE ONE - STORET, AIRS, OR ARCHIVE.

CIRCLE ONE: STORET AIRS (ARCHIVE)

FINAL DATA REPORT APPROVED BY PROJECT LEADER ON 11/30/92 11:49:21 BY Robert B. Doma.